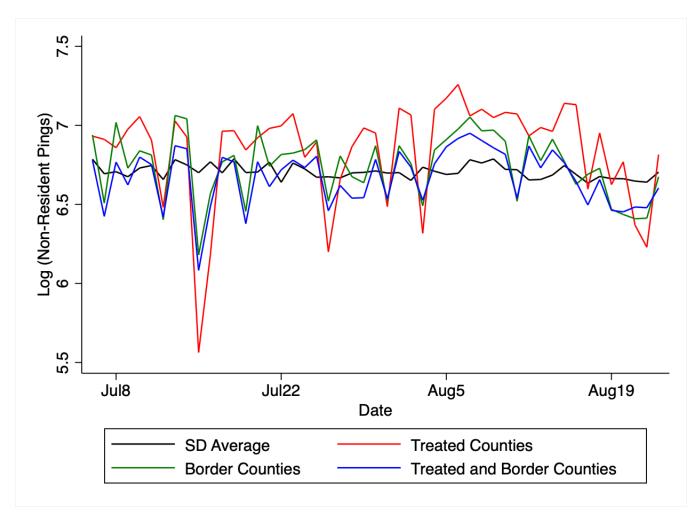
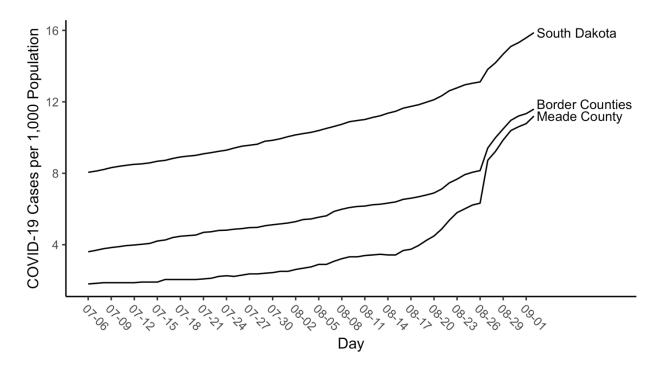
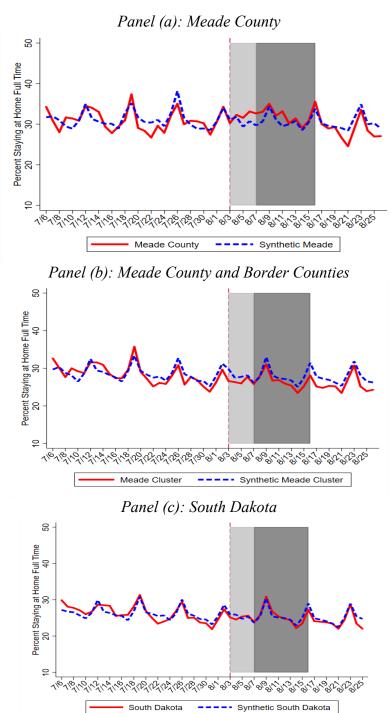
Appendix Figure 1. Trends in the Natural Log of Non-Resident Smartphone Devices Detected in Treatment and Control Census Block Groups in South Dakota



Appendix Figure 2. Trends in COVID-19 Cases Per 1,000 Population in Meade County, Meade County and its Border Counties, and the State of South Dakota

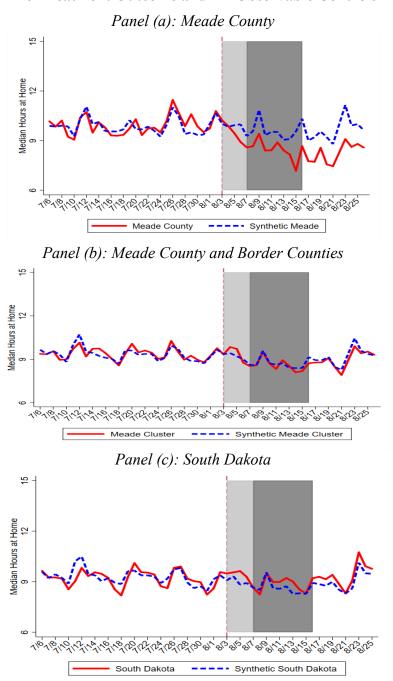


Appendix Figure 3. Synthetic Control Estimates of Effect of Sturgis Motorcycle Rally on Percent Stay-at-Home Full-Time, Synthetic Controls Generated by Matching on 14 Days of Pre-Treatment Outcome and All Observable Controls



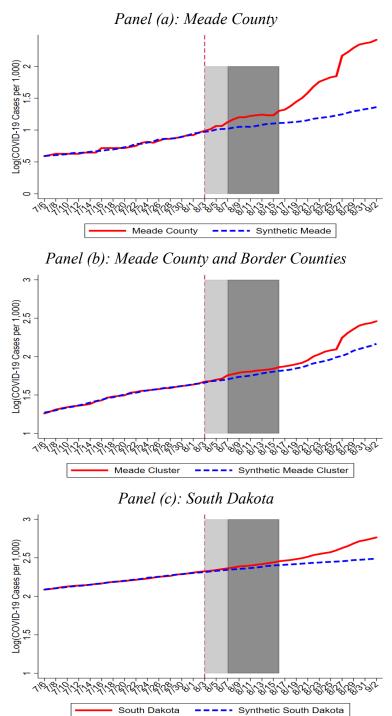
Notes: The donor pool is comprised of counties with urbanicity rate $\pm 2.5\%$ of Meade County (62%) and weighted population density $\pm 150\%$ of Meade County (500), and excludes counties in border states and South Dakota, as well as counties with at least 1 home resident that that pinged in Sturgis event census block groups between 8/3 and 8/16. All synthetic control estimates are generated by matching on pre-treatment stay-athome behavior on 7/7, 7/9, 7/11, 7/13, 7/15, 7/17, 7/19, 7/21, 7/23, 7/25, 7/27/, 7/29, 7/31, and 8/2, state COVID-19 testing rate per 100,000 population, number of days the state permitted reopening of businesses in the following sectors: restaurant, bars, movie theatres, gyms, and retail stores, and number of days the state had enacted a mask-wearing mandate and travel quarantine mandate..

Appendix Figure 4. Synthetic Control Estimates of Effect of Sturgis Motorcycle Rally on Median Hours Spent at Home, Synthetic Controls Generated by Matching on 14 Days of Pre-Treatment Outcome and All Observable Controls



Notes: The donor pool is comprised of counties with urbanicity rate $\pm 2.5\%$ of Meade County (62%) and weighted population density $\pm 150\%$ of Meade County (500), and excludes counties in border states and South Dakota, as well as counties with at least 1 home resident that that pinged in Sturgis event census block groups between 8/3 and 8/16. All synthetic control estimates are generated by matching on pre-treatment stay-at-home behavior on 7/7, 7/9, 7/11, 7/13, 7/15, 7/17, 7/19, 7/21, 7/23, 7/25, 7/27/, 7/29, 7/31, and 8/2, state COVID-19 testing rate per 100,000 population, number of days the state has a shelter-in-place order (SIPO), number of days the state permitted reopening of businesses in the following sectors: restaurant, bars, movie theatres, gyms, and retail stores, and number of days the state had enacted a mask-wearing mandate and travel quarantine mandate...

Appendix Figure 5. Synthetic Control Estimates of Effect of Sturgis Motorcycle Rally on Log (Cumulative COVID-19 Cases Per 1,000 Population) in South Dakota



Notes: The donor pool is comprised of counties with urbanicity rate $\pm 2.5\%$ of Meade County (62%) and weighted population density $\pm 150\%$ of Meade County (500), and excludes counties in border states and South Dakota, as well as counties with at least 1 home resident that pinged in Sturgis event census block groups between 8/3 and 8/16. All synthetic control estimates are generated by matching on pre-treatment stay-at-home behavior on 7/7, 7/9, 7/11, 7/13, 7/15, 7/17, 7/19, 7/21, 7/23, 7/25, 7/27/, 7/29, 7/31, and 8/2, state COVID-19 testing rate per 100,000 population, number of days the state has a shelter-in-place order (SIPO), number of days the state permitted reopening of businesses in the following sectors: restaurant, bars, movie theatres, gyms, and retail stores, and number of days the state had enacted a mask-wearing mandate and travel quarantine mandate.

Appendix Table 1. Positively Weighted Donors for Estimates in Table 2

	Appendix Table 1. Positively Weighted Donors for % Staying at Home Full Time				Median Hours at Home			
	(1) (2)		(3)	(4)	(5)	(6)		
	()	()			(-)	(-)		
	Panel I: Meade County							
	Morrow, OR (.268) Wayne, NY (.164)	Jefferson, WV (.426) Hawaii, HI (.366)	Jefferson, WV (.466) Hawaii, HI (.361)	Charlevois, MI (.152) Coos, OR (.133)	Somerset, ME (.463) Hawaii, HI (.463)	Sagadahoc, ME (.399) Jones, MS (.223)		
	Rio Grande, CO (.146) Tillamook, OR (.134) Fluvanna, VA (.122)	Blaine, ID (.208)	Blaine, ID (.133) Coos, OR (.034)	Humphreuys, MS (.098) Oneida, ID (.095) Noble, OH (.092)	Auglaize, OH (.068)	Know, ME (.183) Hawaii, HI (.158) Jefferson, WV (.037)		
	Baker, OR (.080) Sagadahoc, ME (.030)			Collingsworth,,TX (.089) Caroline, MD (.061),				
	Macon, AL (.037) Oreleas, NY (.013)			Hidalgo, NM (.050) Opiaj, MS (.038)				
	0.1010,111 (1010)			Yoakum, TX (.037) Alexander, IL (.032)				
				Presidio, TX (.025)				
				Wyoming, NY (.024) Emmet, MI (.022)				
				Lavaca, TX (.019)				
				Pike, IN (.018) Simpson, KY (.015)				
				• • • • • • •				
	M : 4 MI (242)	0 1 90	Panel II: Mead		G ME (400)	C (ME (701)		
	Manistee, MI (.343) Caldwell, TX (.244)	Orangeburg, SC (.468)	Orangeburg, SC (.476) Pike, AL (.193)	Rio Grande, CO (.242) Lewis, ID (.239)	Somerset, ME (.406) Knox, ME (.3322)	Somerset, ME (.781) Blaine, ID (.129)		
	Clarke, VA (.192)	Benewah, ID (.183)	Tillamook, OR (.154)	Benewah, ID (.133)	Benewah, ID (.223)	Knox, ME (.048)		
	San Saba, TX (.136)	Pike, AL (.126)	Benewah, ID (.095)	Somerset, ME (.12)	Rio Arriba, NM (.049)	Socorro, NM (.042)		
	Price of Wales Hyder, AK (.043) Emmet, MI (.024)	Laurens, SC (.116) Calvert, MD (.089)	Owyhee, ID (.083)	Socorro, NM (.115) Pecos, TX (.087)				
	Woods, OK (.018)	Owyhee, ID (.019)		Alexander, IL (.045)				
	, , ,	, , ,		Garfield, UT (.013)				
	Panel III: South Dakota							
	AL (.518)	AL (.551)	AL (.575)	VT (.666)	VT (.679)	VT (.919)		
	WI (.34) AK (.142)	NH (.273) PA (.103)	NH (.398) WI (.027)	AK (.279) WI (.055)	ME (.321)	NE (.041) IN (.040)		
	AK (.142)	KS (.073)	W1 (.027)	W1 (.033)		IN (.040)		
Observables used to construct	•							
# of Pre-Treatment Days	28	10	14	28	10	14		
Match on All Observables	No	Yes	Yes	No	Yes	Yes		

Appendix Table 2. Positively Weighted Donors for Estimates in Table 3

Tippendia Tubic 2.	(1)	(2)	(3)
		Danel I. Mande Court	
		Panel I: Meade County	11 111 (402)
	Knox, ME (.416)	Hawaii, HI (.667)	Hawaii, HI (.407)
	Lewis, ID (.17)	Jefferson, WV (.282)	Jefferson, WV (.282)
	McCulloch, TX (.105)	Hughes, OK (.031)	Sagadahoc, ME (.223)
	Tillamook, OR (.046)	Tunica, MS (.012)	Cherokee, OK (.081)
	Perry, IL (.045)	Florence, SC (.008)	Grant, WV (.006) Obion, TN (.001)
	Prince of Wales, AK (.044) Collingsworth, TX (.029)		Obion, 11v (.001)
	Lampasas, TX (.022)		
	-		
	Mississippi, MO (.016)		
	Blaine, ID (.016)		
	Falls, TX (.0089) Kimble, TX (.007)		
	Arkansas, AR (.004)		
	Madison, TX (.003)		
	Haskell, TX (.002)		
	Haskell, 174 (.002)		
	1	Panel II: Meade Cluster	
	Knox, ME (.604)	Hawaii, HI (.391)	Hawaii, HI (.484)
	Falls, TX (.065)	Sagadahoc, ME (.217)	Sagadahoc, ME (.236)
	Haskell, TX (.061)	Somerset, ME (.143)	Benewah, ID (.128)
	Fluvanna, VA (.058)	Benewah, ID (.078)	Laurens, SC (.054)
	Baker, OR (.056)	Caldwell, TX (.065)	Caroline, MD (.038)
	Caldwell, TX (.038)	Caroline, MD (.029)	Caldwell, TX (.030)
	Alleghany, VA (.029)	Calvert, MD (.028)	Chambers, AL (.017)
	Taylor, WV (.024)	Laurens, SC (.024)	Dukes, MA (.013)
	Evangeline, LA (.014)	Owyhee, ID (.023)	
	Orange, VA (.014)	Morrow, OR (.002)	
	Schuyler, IL (.013)		
	Coleman, TX (.004)		
	Fisher, TX (.002)		
	Madison, TX (.002)		
	McMinn, TN (.002)		
	i	Panel III: South Dakota	
	MI (.580)	PA (.534)	PA (.491)
	DE (.238)	DE (.238)	DE (.266)
	NH (.149)	NH (.158)	NH (.192)
	OK (.032)	OK (.036)	OK (.031)
		MI (.034)	MO (.019)
Observables used to construct the weights			
# of Pre-Treatment Days	28	10	14
Match on All Observables	No	Yes	Yes
Materi Oli Ali Ousei vaules	INU	165	169

Appendix Table 3. Sensitivity of Dose-Response Estimates in Table 4 to Controlling for Interaction for Whether County Has a College with Lagged Treatment Windows

Thier action for whether county mas a con-	ege with Eagged 11	eatment windows
	(1)	(2)
	Relative Inflow	Absolute Inflow
Counties with High Inflow		
August 3-5 (0-3 Days After Rally Begins)	0.016	0.018
	[p=0.25]	[p=0.32]
August 6-8 (4-6 Days After Rally Begins)	0.02	0.018
	[p=0.24]	[p=0.44]
August 9-19 (7-17 Days After Rally Begins)	0.029	0.045
	[p=0.35]	[p=0.27]
August 20-24 (18-23 Days After Rally Begins)	0.054	0.076
	[p=0.23]	[p=0.24]
August 26 onward (24+ Days After Rally Begins)	0.092	0.119
	[p=0.11]	[p=0.18]
Counties with Moderate- High Inflow	[b 0.11]	[b 0.10]
August 3-5 (0-3 Days After Rally Begins)	0.017	0.013
Bust o o (o o zajo rator ratinj zogino)	[p=0.19]	[p=0.18]
August 6-8 (4-6 Days After Rally Begins)	0.018	0.016
August 0-0 (4-0 Days After Rany Degnis)		
August 9-19 (7-17 Days After Rally Begins)	[p=0.25]	[p=0.24]
August 3-13 (7-17 Days After Rany Degins)	0.034	0.034
Assessed 20, 24 (19, 22 Description Perilly Province)	[p=0.17]	[p=0.1]
August 20-24 (18-23 Days After Rally Begins)	0.066*	0.059
A	[p=0.06]	[p=0.04] 0.09**
August 26 onward (24+ Days After Rally Begins)	0.109** [p=0.01]	[p=0.01]
Counties with Moderate Inflow	[p=0.01]	[p=0.01]
August 3-5 (0-3 Days After Rally Begins)	0.012	0.001
ragust 5 5 (0 5 Days rater rang Degms)		
Average 6. 9. (4. 6. Davis, A from Bolly, Booing)	[p=0.18]	[p=0.95]
August 6-8 (4-6 Days After Rally Begins)	0.015	0.005
August 0.10 (7.17 Days After Pally Pagins)	[p=0.2] 0.026	[p=0.71] 0.009
August 9-19 (7-17 Days After Rally Begins)	[p=0.18]	[p=0.7]
August 20-24 (18-23 Days After Rally Begins)	0.042	0.018
ragust 20 21 (10 23 Days ritter Runy Degins)	[p=0.13]	[p=0.57]
August 26 onward (24+ Days After Rally Begins)	0.064*	0.029
	[p=0.06]	[p=0.45]
Counties with Moderate-Low Inflow		
August 3-5 (0-3 Days After Rally Begins)	0.004	0.009
	[p=0.55]	[p=0.24]
August 6-8 (4-6 Days After Rally Begins)	0.005	0.011
10.10/5.15 10.25 11.5	[p=0.64]	[p=0.3]
August 9-19 (7-17 Days After Rally Begins)	0.000	0.011
Annual 20 24 (10 22 David A fine Dallin David	[p=0.98]	[p=0.48]
August 20-24 (18-23 Days After Rally Begins)	-0.003	0.017
August 26 onward (24+ Days After Rally Begins)	[p=0.91] -0.003	[p=0.44] 0.025
August 20 oliwaru (24+ Days Aller Kally Deglins)	-0.003	0.023

	[p=0.91]	[p=0.36]
Counties with Low Inflow	_	
August 3-5 (0-3 Days After Rally Begins)	-0.014	-0.008
	[p=0.2]	[p=0.43]
August 6-8 (4-6 Days After Rally Begins)	-0.014	-0.009
	[p=0.33]	[p=0.52]
August 9-19 (7-17 Days After Rally Begins)	-0.023	-0.019
	[p=0.25]	[p=0.32]
August 20-21 (18-23 Days After Rally Begins)	-0.026	-0.025
	[p=0.29]	[p=0.31]
August 22 onward (24+ Days After Rally Begins)	-0.026	-0.027
	[p=0.36]	[p=0.37]
N	178,902	178,902

^{*} Significant at the 10% level, ** Significant at the 5% level, *** Significant at the 1% level

Note: Estimate is generated using weighted least squares estimate. Standard errors are clustered at the county level. All estimates include county and day fixed effects as well as county specific linear time trend. State policy controls include log COVID-19 testing, an indicator for whether a state reopened restaurant or bars, an indicator for whether a state reopened retail services beyond curbside pickup, an indicator for whether a state reopened personal or pet care services, an indicator for whether a state reopened entertainment business, an indicator for whether a state reopened gyms, and an indicator for whether a state paused reopening. County weather controls include average temperature and an indicator for whether any measurable precipitation fell.

Appendix Table 4. Sensitivity of Estimates in Table 4 to Additional Controls for Census Division-Specific Time Effects

	(1)	(2)
	Relative Inflow	Absolute Inflow
Counties with High Inflow		
August 3-5 (0-3 Days After Rally Begins)	0.018*	0.023*
	[p=0.07]	[p=0.09]
August 6-8 (4-6 Days After Rally Begins)	0.021	0.021
	[p=0.12]	[p=0.26]
August 9-19 (7-17 Days After Rally Begins)	0.037	0.057
	[p=0.12]	[p=0.09]
August 20-24 (18-23 Days After Rally Begins)	0.071*	0.106*
	[p=0.05]	[p=0.06]
August 26 onward (24+ Days After Rally Begins)	0.104**	0.148*
	[p=0.03]	[p=0.05]
Counties with Moderate- High Inflow	[b 0:02]	[b 0.05]
August 3-5 (0-3 Days After Rally Begins)	0.008	0.006
g v (v v z z j v 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1	[p=0.4]	[p=0.53]
August 6-8 (4-6 Days After Rally Begins)	0.006	0.006
rugust 0-0 (4-0 Days ritter Rany Degins)		
Assessed 0 10 (7.17 Design A free Delley Degine)	[p=0.62]	[p=0.61]
August 9-19 (7-17 Days After Rally Begins)	0.01	0.012
4 4 20 24 (10 22 B 4 6 B 11 B 11)	[p=0.63]	[p=0.51]
August 20-24 (18-23 Days After Rally Begins)	0.032	0.026
1(04) D. 1.0 D. 11 D. 1.	[p=0.28]	[p=0.29]
August 26 onward (24+ Days After Rally Begins)	0.062*	0.045
	[p=0.08]	[p=0.13]
Counties with Moderate Inflow		
August 3-5 (0-3 Days After Rally Begins)	0.004	-0.005
	[p=0.59]	[p=0.61]
August 6-8 (4-6 Days After Rally Begins)	0.005	-0.003
	[p=0.61]	[p=0.84]
August 9-19 (7-17 Days After Rally Begins)	0.004	-0.008
	[p=0.8]	[p=0.69]
August 20-24 (18-23 Days After Rally Begins)	0.009	-0.006
	[p=0.72]	[p=0.83]
August 26 onward (24+ Days After Rally Begins)	0.018	-0.003
	[p=0.56]	[p=0.93]
Counties with Moderate-Low Inflow	0.004	0.005
August 3-5 (0-3 Days After Rally Begins)	0.001	0.005
A (0/4/D AC D 11 D 1)	[p=0.88]	[p=0.5]
August 6-8 (4-6 Days After Rally Begins)	0.001	0.006
A 40.10/7.17D AC BU D ' \	[p=0.94]	[p=0.58]
August 9-19 (7-17 Days After Rally Begins)	-0.008	0.001
A	[p=0.61]	[p=0.93]
August 20-24 (18-23 Days After Rally Begins)	-0.015	0.003
	[p=0.52]	[p=0.89]

August 26 onward (24+ Days After Rally Begins)	-0.019	0.006
	[p=0.50]	[p=0.82]
Counties with Low Inflow		
August 3-5 (0-3 Days After Rally Begins)	-0.016	-0.012
	[p=0.13]	[p=0.22]
August 6-8 (4-6 Days After Rally Begins)	-0.018	-0.014
	[p=0.22]	[p=0.29]
August 9-19 (7-17 Days After Rally Begins)	-0.03	-0.03
	[p=0.12]	[p=0.1]
August 20-21 (18-23 Days After Rally Begins)	-0.037	-0.043*
	[p=0.12]	[p=0.06]
August 22 onward (24+ Days After Rally Begins)	-0.04	-0.05*
	[p=0.14]	[p=0.06]
N	178902	178902

^{*} Significant at the 10% level, ** Significant at the 5% level, *** Significant at the 1% level

Note: Estimate is generated using weighted least squares estimate. Standard errors are clustered at the county level. All estimates include county fixed effects, day fixed effects, census division-specific time effects, as well as a county specific linear time trend. State policy controls include log COVID-19 testing, an indicator for whether a state reopened restaurant or bars, an indicator for whether a state reopened personal or pet care services, an indicator for whether a state reopened gyms, and an indicator for whether a state reopened gyms, and an indicator for whether a state paused reopening. County weather controls include average temperature and an indicator for whether any measurable

precipitation fell.

Appendix Table 5. Heterogeneity in Effect of Sturgis Rally on Log (COVID-19 Cases), by Strength of Pre-Rally State Mitigation Measured by Policy Index

01 Pre-Raily State Mitigation Measured by Policy Index (1) (2)						
		(1) Relative Inflow		Inflow		
	Strict	Weak	Strict	Weak		
Counties with High Inflow	21.101	,,, 00	20.000	77 0000		
August 3-5 (0-3 Days After Rally Begins)	-0.008	0.031	-0.018	0.049		
	[p=0.59]	[p=0.11]	[p=0.31]	[p=0.12]		
August 6-8 (4-6 Days After Rally Begins)	-0.003	0.027	-0.022	0.043		
	[p=0.86]	[p=0.23]	[p=0.3]	[p=0.26]		
August 9-19 (7-17 Days After Rally Begins)	-0.013	0.054	-0.023	0.068		
	[p=0.72]	[p=0.12]	[p=0.57]	[p=0.23]		
August 20-24 (18-23 Days After Rally Begins)	0.003	0.091*	-0.005	0.093		
	[p=0.95]	[p=0.07]	[p=0.94]	[p=0.29]		
August 26 onward (24+ Days After Rally Begins)	0.026	0.136*	0.007	0.129		
	[p=0.72]	[p=0.05]	[p=0.93]	[p=0.27]		
Counties with Moderate- High Inflow	[P 0.72]	[b 0.05]	[h 2.22]	LP 0.2/]		
August 3-5 (0-3 Days After Rally Begins)	-0.010	0.034*	-0.006	0.029*		
8 (· · · · · · · · · · · · · · ·	[p=0.21]	[p=0.05]	[p=0.51]	[p=0.03]		
August 6-8 (4-6 Days After Rally Begins)	-0.005	0.024	0.001	0.023		
	[p=0.69]	[p=0.21]	[p=0.94]	[p=0.14]		
August 9-19 (7-17 Days After Rally Begins)	0.016	0.03	0.02	0.036		
	[p=0.44]	[p=0.34]	[p=0.44]	[p=0.16]		
August 20-24 (18-23 Days After Rally Begins)	0.057*	0.052	0.051	0.054		
	[p=0.08]	[p=0.25]	[p=0.2]	[p=0.13]		
August 26 onward (24+ Days After Rally Begins)	0.098**	0.087	0.08	0.077		
	[p=0.03]	[p=0.13]	[p=0.13]	[p=0.11]		
Counties with Moderate Inflow						
August 3-5 (0-3 Days After Rally Begins)	-0.003	0.020*	-0.011	0.013		
	[p=0.73]	[p=0.08]	[p=0.37]	[p=0.38]		
August 6-8 (4-6 Days After Rally Begins)	0.002	0.017	-0.002	0.009		
	[p=0.87]	[p=0.22]	[p=0.91]	[p=0.6]		
August 9-19 (7-17 Days After Rally Begins)	0.016	0.021	0.018	0.013		
4	[p=0.52]	[p=0.37]	[p=0.52]	[p=0.65]		
August 20-24 (18-23 Days After Rally Begins)	0.035	0.027	0.037	0.017		
August 26 onward (24+ Days After Rally Begins)	[p=0.37] 0.049	[p=0.44] 0.041	[p=0.39] 0.046	[p=0.66] 0.041		
August 20 oliwaru (24+ Days After Kally Begins)	[p=0.33]	0.041 [p=0.39]	0.046 [p=0.42]	[p=0.43]		
Counties with Moderate-Low Inflow	[h 0.22]	[b 0.37]	[p 0.72]	[b o.13]		
August 3-5 (0-3 Days After Rally Begins)	-0.013	0.012	-0.01	0.016		
g = 1 (0 t = 1.) - 1 - 1	[p=0.15]	[p=0.22]	[p=0.32]	[p=0.16]		
	[p=0.13]	[p=0.44]	[p=0.32]	[p-0.10]		

August 6-8 (4-6 Days After Rally Begins)	-0.009	0.007	-0.005	0.011
	[p=0.52]	[p=0.57]	[p=0.75]	[p=0.39]
August 9-19 (7-17 Days After Rally Begins)	-0.002	-0.01	0.003	0.003
	[p=0.94]	[p=0.64]	[p=0.92]	[p=0.9]
August 20-24 (18-23 Days After Rally Begins)	0.013	-0.033	0.014	0
	[p=0.7]	[p=0.35]	[p=0.72]	[p=0.99]
August 26 onward (24+ Days After Rally Begins)	0.024	-0.055	0.022	-0.009
	[p=0.62]	[p=0.25]	[p=0.64]	[p=0.83]
Counties with Low Inflow				
August 3-5 (0-3 Days After Rally Begins)	-0.034	-0.003	-0.025**	0.001
	[p=0]	[p=0.81]	[p=0.02]	[p=0.94]
August 6-8 (4-6 Days After Rally Begins)	-0.04***	-0.004	-0.031**	-0.001
	[p=0.01]	[p=0.83]	[p=0.04]	[p=0.96]
August 9-19 (7-17 Days After Rally Begins)	-0.047**	-0.019	-0.036*	-0.02
	[p=0.03]	[p=0.46]	[p=0.09]	[p=0.42]
August 20-24 (18-23 Days After Rally Begins)	-0.047	-0.035	-0.03	-0.046
	[p=0.14]	[p=0.34]	[p=0.36]	[p=0.22]
August 26 onward (24+ Days After Rally Begins)	-0.049	-0.048	-0.027	-0.065
	[p=0.25]	[p=0.3]	[p=0.56]	[p=0.18]
N	18.	2,730	182,7	30

^{*} Significant at the 10% level, ** Significant at the 5% level, *** Significant at the 1% level

Note: Standard errors are clustered at the state level. All estimates include county and day fixed effects as well as county specific linear time trend. State policy controls include log COVID-19 testing, an indicator for whether a state reopened restaurant or bars, an indicator for whether a state reopened retail services beyond curbside pickup, an indicator for whether a state reopened personal or pet care services, an indicator for whether a state reopened entertainment business, an indicator for whether a state reopened gyms, and an indicator for whether a state paused reopening. County weather controls include average temperature and an indicator for whether any measurable precipitation fell.

Appendix Table 6. Heterogeneity in Effect of Sturgis Rally on Log (COVID-19 Cases Per 100,000 Population), by Strength of Pre-Rally State Mitigation Measured by Bar or Restaurants Restrictions

		(1)		I C
	Relative Inflow		Absolute	Inflow Weak
Counties with High Inflow	Strict	Weak	Strict	weak
Counties with High Inflow August 3-5 (0-3 Days After Rally Begins)	0.011	0.039**	0.000	0.010
August 3-3 (0-3 Days After Karry Degins)	-0.011		0.009	0.018
August 6-8 (4-6 Days After Rally Begins)	[p=0.49] -0.011	[p=0.05] 0.035	[p=0.52] 0.003	[p=0.61] 0.011
August 0-8 (4-0 Days After Kany Begins)			0.003 [p=0.89]	
August 9-19 (7-17 Days After Rally Begins)	[p=0.54] -0.026	[p=0.13] 0.064*	[p=0.89] 0.017	[p=0.79] 0.042
rugust 7-17 (7-17 Days Mici Rany Degins)				
August 20-24 (18-23 Days After Rally Begins)	[p=0.5]	[p=0.07]	[p=0.68]	[p=0.53]
August 20-24 (16-23 Days After Raffy Degills)	-0.015	0.102*	0.046	0.067
1 (24 D AC D 11 D :)	[p=0.8]	[p=0.06]	[p=0.49]	[p=0.52]
August 26 onward (24+ Days After Rally Begins)	0.007	0.146*	0.077	0.106
	[p=0.93]	[p=0.05]	[p=0.39]	[p=0.47]
Counties with Moderate- High Inflow				
August 3-5 (0-3 Days After Rally Begins)	-0.013	0.029*	-0.014	0.027*
	[p=0.15]	[p=0.06]	[p=0.14]	[p=0.04]
August 6-8 (4-6 Days After Rally Begins)	-0.009	0.022	-0.007	0.023
	[p=0.51]	[p=0.19]	[p=0.65]	[p=0.11]
August 9-19 (7-17 Days After Rally Begins)	0.005	0.035	0.008	0.038
	[p=0.84]	[p=0.21]	[p=0.8]	[p=0.1]
August 20-24 (18-23 Days After Rally Begins)	0.045	0.061	0.038	0.059*
	[p=0.22]	[p=0.13]	[p=0.42]	[p=0.08]
August 26 onward (24+ Days After Rally Begins)	0.074	0.102*	0.06	0.085*
	[p=0.13]	[p=0.05]	[p=0.32]	[p=0.06]
Counties with Moderate Inflow				
August 3-5 (0-3 Days After Rally Begins)	-0.007	0.018	-0.01	0.01
	[p=0.42]	[p=0.12]	[p=0.42]	[p=0.5]
August 6-8 (4-6 Days After Rally Begins)	0.002	0.015	0.001	0.007
	[p=0.91]	[p=0.28]	[p=0.96]	[p=0.68]
August 9-19 (7-17 Days After Rally Begins)	0.017	0.02	0.017	0.014
	[p=0.53]	[p=0.38]	[p=0.59]	[p=0.6]
August 20-24 (18-23 Days After Rally Begins)	0.038	0.028	0.031	0.022
	[p=0.36]	[p=0.41]	[p=0.51]	[p=0.55]
August 26 onward (24+ Days After Rally Begins)	0.052	0.041	0.036	0.046
	[p=0.32]	[p=0.36]	[p=0.56]	[p=0.36]
Counties with Moderate-Low Inflow				
August 3-5 (0-3 Days After Rally Begins)	-0.015	0.009	-0.015	0.014
	[p=0.12]	[p=0.37]	[p=0.1]	[p=0.25]
August 6-8 (4-6 Days After Rally Begins)	-0.009	0.004	-0.003	0.008

	[p=0.51]	[p=0.73]	[p=0.8]	[p=0.58]
August 9-19 (7-17 Days After Rally Begins)	-0.009	-0.006	0.009	0.000
	[p=0.72]	[p=0.77]	[p=0.71]	[p=0.99]
August 20-24 (18-23 Days After Rally Begins)	-0.003	-0.02	0.025	-0.002
	[p=0.93]	[p=0.54]	[p=0.48]	[p=0.94]
August 26 onward (24+ Days After Rally Begins)	-0.005	-0.032	0.03	-0.007
	[p=0.94]	[p=0.46]	[p=0.52]	[p=0.87]
Counties with Low Inflow				
August 3-5 (0-3 Days After Rally Begins)	-0.032	-0.009	-0.023**	-0.004
	[p=0]	[p=0.53]	[p=0.02]	[p=0.74]
August 6-8 (4-6 Days After Rally Begins)	-0.037	-0.012	-0.028**	-0.007
	[p=0]	[p=0.54]	[p=0.03]	[p=0.67]
August 9-19 (7-17 Days After Rally Begins)	-0.055**	-0.02	-0.046**	-0.018
	[p=0.01]	[p=0.42]	[p=0.05]	[p=0.44]
August 20-24 (18-23 Days After Rally Begins)	-0.074**	-0.026	-0.061	-0.03
	[p=0.03]	[p=0.44]	[p=0.11]	[p=0.36]
August 26 onward (24+ Days After Rally Begins)	-0.093**	-0.032	-0.071	-0.041
	[p=0.05]	[p=0.46]	[p=0.19]	[p=0.35]
N	182	2,732	182,7	32

^{*} Significant at the 10% level, ** Significant at the 5% level, *** Significant at the 1% level

Note: Standard errors are clustered at the state level. All estimates include county and day fixed effects as well as county specific linear time trend. State policy controls include log COVID-19 testing, an indicator for whether a state reopened restaurant or bars, an indicator for whether a state reopened retail services beyond curbside pickup, an indicator for whether a state reopened personal or pet care services, an indicator for whether a state reopened entertainment business, an indicator for whether a state reopened gyms, and an indicator for whether a state paused reopening. County weather controls include average temperature and an indicator for whether any measurable precipitation fell.